

catalyst, between:

an isocyanate group of an isocyanate oligomer, which is prepared, by using an organic zinc compound or an amine compound, from a polyether having a hydroxy group at a terminal thereof and an isocyanate compound having two or more isocyanate groups per molecule; and
a hydroxy group of a hydroxyalkyl (meth)acrylate,

wherein no tin compound is used as a catalyst in these two addition reactions.

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cont

7. [New] The method according to claim 5, wherein the urethane (meth)acrylate, which is a main component of said ultraviolet-curing composition, is a product of an addition reaction, using an organic zinc compound or an amine compound as a catalyst, between:

an isocyanate group of an isocyanate oligomer, which is prepared, by using an organic zinc compound or an amine compound, from a polyester having a hydroxy group at a terminal or in a side chain thereof and an isocyanate compound having two or more isocyanate groups per molecule; and

a hydroxy group of a hydroxyalkyl (meth)acrylate,

wherein no tin compound is used as a catalyst in these two addition reactions.

8. [New] The method according to claim 5,
wherein the polyurethane (meth)acrylate, which is a main component of said ultraviolet-curing composition, is a product of an addition reaction, using an organic zinc compound or an amine compound as a catalyst, between:

an isocyanate group of a polyether/polyester copolymerized isocyanate oligomer compound, which is prepared by an addition reaction among a polyester having a hydroxy group at a terminal or in a side chain thereof, a polyether having a hydroxy group at a terminal thereof,

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and a diisocyanate compound having two or more isocyanate groups per molecule; and a hydroxy group of a hydroxyalkyl (meth)acrylate,

wherein no tin compound is used as a catalyst in these two addition reactions.

9. [New] The method according to claim 5, wherein the ultraviolet-curing composition forms a flange gasket of a hard disk drive housing case.

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10. [New] The method according to claim 5, wherein the ultraviolet-curing composition fixes a cap seal to a hard disk drive spindle motor.

11. [New] The method according to claim 5, wherein the ultraviolet-curing composition fixes a magnetic head of a hard disk drive to a supporting arm.

12. [New] The method according to claim 5, wherein the ultraviolet-curing composition fixes a packing or packings in a housing case of a hard disk drive assembly.

13. [New] The method according to claim 5, wherein the ultraviolet-curing composition bonds substrates to connectors in the hard disk drive assembly.

14. [New] The method according to claim 5, wherein the hard disk drive assembly comprises at least the following components:

a hard disk for storing data;

a spindle motor for rotating the hard disk;

a cap seal affixed to the spindle motor;

a movable read/write magnetic head or heads positioned relative to the hard disk such that data may be written on or read from the hard disk using the magnetic head;

and a housing case for the hard disk, the spindle motor and the magnetic head.